

ABSTRACT

A system of managing security in a cable modem. Rules are

5 defined enabling a host migrated cable modem to maintain
security at specified times. The security is maintained by
writing encryption keys to a register only when they are
detected as being received in an authorized way. When the
decryption keys have been received in an unauthorized way,
10 then they can be received, but not used for decryption
purposes. The register includes a write enable function
which enables writing the keys associated with a specified
service ID. The register also includes a key destruction
function.

15